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## ADA228 SWITCH ASSEMBLY (TILT LIMIT) INSTALLATION INSTRUCTIONS



### **Warning – High Voltage**

*Hazardous voltages are present. Unplug the chair from the power source before servicing. Failure to do so could result in serious injury or death.*

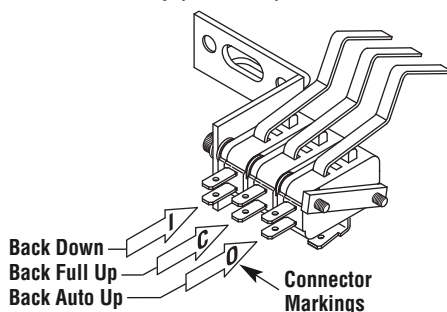


**Service Tip:** This assembly comes with three Limit Switches (RPI Part #ADS211) mounted to a bracket. There are separate connectors for each of the three switches. On some chairs, each connector is marked with a letter representing each of the switches. On other chairs, the connectors are not marked so be sure to mark the connectors before removing them. The order of the connectors, starting with the one closest to the bracket and working outwards, is “I”, “C” and “O” (see illustration below).

### **Removal and Installation Instructions:**

1. After running the chair to the full upright position, unplug the chair from the power source.
2. With a pencil, make a mark on the frame of the chair following the edge of the installed switch assembly bracket. This mark will be used later as a guide showing the proper placement of the new Switch Assembly (Tilt Limit) (RPI Part #ADA228).
3. Remove the three switch connectors and make note of the letter code for each to aid in reattaching (see illustration).
4. Using a 3/16" Hex Key, remove the socket head cap screw and remove the old switch assembly from the chair.
5. Using the guide marks from step # 2, align the new Switch Assembly (Tilt Limit) and mount it with the old socket head cap screw.
6. Check side to side Limit Switch alignment (see **Switch Operation Note**).
7. Reattach the three switch connectors (see illustration).
8. Check individual Limit Switch alignment. If necessary, use a 3/32" Hex Key to loosen the switch mounting screws, adjust the switches vertically, and then retighten the two mounting screws (see **Switch Operation Note**).
9. Return power to the chair and recheck switch alignment and chair operation.

### **Switch Assembly (Tilt Limit) Interconnections**



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### **Switch Operation Note**

Switch arms must make proper contact with the switch actuators for the limit switches to operate properly. If the bracket is misaligned side to side or the limit switches are loose on the bracket, the following might occur:

- The limit switch will not be activated and will not turn off the respective function.
- One actuator could actuate two limit switches at once, causing the backrest assembly to either “chatter” on and off or not move at all.